



# CITRUS JUNE FORECAST

Cooperating with the Florida Department of Agriculture and Consumer Services  
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June 10, 2021

**Florida All Orange Production is Up 2 Percent from May**  
**Florida Non-Valencia Orange Production Unchanged**  
**Florida Valencia Orange Production Up 3 Percent**  
**Florida All Grapefruit Production Down 2 Percent**  
**Florida All Tangerine and Tangelo Down 1 Percent**

FORECAST DATES - 2020-2021 SEASON  
July 12, 2021

## Citrus Production by Type – States and United States

Crop and State	Production <sup>1</sup>		2020-2021 Forecasted Production <sup>1</sup>	
	2018-2019 (1,000 boxes)	2019-2020 (1,000 boxes)	May (1,000 boxes)	June (1,000 boxes)
<b>Non-Valencia Oranges <sup>2</sup></b>				
<b>Florida</b> .....	<b>30,400</b>	<b>29,650</b>	<b>22,700</b>	<b>22,700</b>
California <sup>3</sup> .....	42,000	43,300	42,000	42,000
Texas <sup>3</sup> .....	2,210	1,150	1,000	1,000
United States.....	74,610	74,100	65,700	65,700
<b>Valencia Oranges</b>				
<b>Florida</b> .....	<b>41,450</b>	<b>37,750</b>	<b>29,000</b>	<b>30,000</b>
California <sup>3</sup> .....	10,200	10,800	10,000	10,000
Texas <sup>3</sup> .....	290	190	50	50
United States.....	51,940	48,740	39,050	40,050
<b>All Oranges</b>				
<b>Florida</b> .....	<b>71,850</b>	<b>67,400</b>	<b>51,700</b>	<b>52,700</b>
California <sup>3</sup> .....	52,200	54,100	52,000	52,000
Texas <sup>3</sup> .....	2,500	1,340	1,050	1,050
United States.....	126,550	122,840	104,750	105,750
<b>Grapefruit</b>				
<b>Florida-All</b> .....	<b>4,510</b>	<b>4,850</b>	<b>4,200</b>	<b>4,100</b>
<b>Red</b> .....	<b>3,740</b>	<b>4,060</b>	<b>3,500</b>	<b>3,480</b>
<b>White</b> .....	<b>770</b>	<b>790</b>	<b>700</b>	<b>620</b>
California <sup>3,4</sup> .....	4,200	4,700	4,200	4,200
Texas <sup>3</sup> .....	6,100	4,400	2,400	2,400
United States.....	14,810	13,950	10,800	10,700
<b>Lemons <sup>3</sup></b>				
Arizona.....	1,350	1,800	1,800	1,800
California.....	23,700	25,300	22,000	22,000
United States.....	25,050	27,100	23,800	23,800
<b>Tangerines and Tangelos</b>				
<b>Florida</b> .....	<b>990</b>	<b>1,020</b>	<b>900</b>	<b>890</b>
California <sup>3</sup> .....	26,500	22,400	23,000	23,000
United States.....	27,490	23,420	23,900	23,890

<sup>1</sup> Net pounds per box: oranges in California-80, Florida-90, Texas-85; grapefruit in California and Texas-80, Florida-85; lemons-80; and tangerines and mandarins in California-80, Florida-95.

<sup>2</sup> Early non-Valencia (including Navel) and mid-season non-Valencia varieties in Florida; Navel and miscellaneous varieties in California; Early and mid-season varieties in Texas.

<sup>3</sup> Estimates carried forward from May forecast.

<sup>4</sup> Includes pummelos in California.

## **All Oranges 52.7 Million Boxes**

The 2020-2021 Florida all orange forecast released today by the USDA Agricultural Statistics Board is raised 1.0 million boxes to 52.7 million boxes. The total includes 22.7 million boxes of the non-Valencia oranges (early, mid-season, and Navel varieties) and 30.0 million boxes of Valencia oranges.

## **Non-Valencia Oranges 22.7 Million Boxes**

The forecast of non-Valencia orange production is 22.7 million boxes. The Navel forecast, included in the non-Valencia portion of the forecast, is 580,000 boxes, 3 percent of the non-Valencia total.

## **Valencia Oranges 30.0 Million Boxes**

The forecast of Valencia orange production is up 1.0 million boxes and is now 30.0 million boxes. The Row Count survey conducted June 1, 2021 showed Valencia harvest is relatively complete. Estimated utilization to June 1, including an allocation for other use, is 29.6 million boxes.

## **All Grapefruit 4.10 Million Boxes**

The forecast of all grapefruit production is final at 4.10 million boxes. The white grapefruit forecast is reduced 80,000 boxes to 620,000 boxes. The red grapefruit forecast is lowered 20,000 boxes to at 3.48 million boxes. The Row Count survey conducted June 1, 2021 indicated harvest is complete for these varieties.

## **Tangerines and Tangelos 890,000 Boxes**

The forecast for tangerines and tangelos is final at 890,000 boxes. This production level is 13 percent less than last season's final production of 1.02 million boxes. This forecast number includes all certified tangerine and tangelo varieties.

## **Maturity Tests**

There were no maturity test samples for this forecast.

## **Reliability**

To assist users in evaluating the reliability of the June 1 Florida production forecasts, the "Root Mean Square Error," a statistical measure based on past performance, is computed. The deviation between the June 1 production forecast and the final estimate is expressed as a percentage of the final estimate. The average of squared percentage deviations for the latest 20-year period is computed. The square root of the average becomes statistically the "Root Mean Square Error." Probability statements can be made concerning expected differences in the current forecast relative to the final end-of-season estimate, assuming that factors affecting this year's forecast are not different from those influencing recent years.

The "Root Mean Square Error" for the June 1 Florida all orange production forecast is 1.1 percent. If you exclude the three abnormal production seasons (three hurricane seasons), the "Root Mean Square Error" is 0.8 percent. This means chances are 2 out of 3 that the current all orange production forecast will not be above or below the final estimates by more than 1.1 percent, including abnormal seasons or 0.8 percent excluding abnormal seasons. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 1.9 percent including abnormal season and or 1.4 percent excluding abnormal seasons.

Changes between the June 1 Florida all orange forecast and the final estimates during the past 20 years have averaged 1.23 million boxes (1.04 million, excluding abnormal seasons), ranging from 0.10 million boxes to 5.30 million boxes including abnormal seasons, (0.10 to 3.00 million boxes excluding abnormal seasons). The June 1 forecast for all oranges has been below the final estimate 13 times, above 7 times, (below 12 times, above 5 times, excluding abnormal seasons). The difference does not imply that the June 1 forecasts this year are likely to understate or overstate final production.